

NextGen Metroplex – Charlotte

The FAA is redesigning airspace, introducing new Performance Based Navigation (PBN) procedures, and making use of Time Based Flow Management (TBFM) to make the Charlotte Metroplex airspace more efficient with improved access to its airports. The effort focuses on a number of airports, including Columbia Metropolitan (CAE), Charlotte-Douglas International (CLT), Piedmont Triad International (GSO), Greenville-Spartanburg International (GSP), Concord Regional (JQF), and Raleigh-Durham International (RDU). The information below may also include data from nearby airports outside of the Charlotte Metroplex (please see the [Reference Guide](#) for additional information).

All results are reported by Fiscal Year (FY), October 1 — September 30.

Projected Annual Benefits

Source: FAA — Charlotte Metroplex Design Team

\$9.4 Million

Value of Fuel Savings

3.3 Million Gallons

Fuel Savings

28.0 Thousand Metric Tons

Carbon Savings

These are annual benefits expected to accrue upon completion of the NextGen near-term procedural improvements implemented by the FAA's Metroplex program. They are based on the FAA's preliminary assessment of proposed airspace improvements compared to operations in a year before any improvements were made. The value of the projected fuel savings is based on a \$2.85 per gallon rate. The data estimates are current as of July 2015.

Charlotte Average Daily Metroplex Traffic (FY09–FY16)

Source: Operational Network (OPSNET)

Average Daily Metroplex Traffic (FY09–FY16)

FY	Commercial Air Carrier	General Aviation	Military	Total Operations
2009	2,150	489	32	2,671
2010	2,091	494	31	2,617

2011	2,160	528	34	2,723
2012	2,164	517	34	2,716
2013	2,158	503	34	2,696
2014	2,125	479	32	2,636
2015	2,111	469	38	2,618
2016	2,127	480	40	2,647

Average Daily Scheduled Flights (FY09–FY16)

Source: Bureau of Transportation Statistics (BTS)/Air Carrier Statistics Database

Average Daily Scheduled Flights (FY09–FY16)

FY	2009	2010	2011	2012	2013	2014	2015	2016
Scheduled Flights	1,999	1,959	2,046	2,028	1,890	2,026	1,960	1,979

Charlotte Metroplex Airports

CAE

Columbia Metropolitan Airport

CLT

Charlotte Douglas International Airport

GSO

Piedmont Triad International Airport

GSP

Greenville-Spartanburg International Airport

JQF

Concord Regional Airport

RDU

Raleigh-Durham International Airport

For a more detailed list of airports considered in this project, please see the following site: <http://metroplexenvironmental.com/oapm.html>